

# Journal of Research of the

# National Institute of Standards and Technology

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- · Advanced Technology Program
- Quality Programs
- · International and Academic Affairs

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- Manufacturing Extension Partnership
- · Standards Services
- · Technology Commercialization
- Measurement Services
- · Technology Evaluation and Assessment
- · Information Services

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- Intelligent Processing of Materials
- Ceramics
- Materials Reliability<sup>1</sup>
- · Polymers
- Metallurgy
- Reactor Radiation

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- Biotechnology
- Chemical Kinetics and Thermodynamics
- · Analytical Chemical Research
- Process Measurements
- Surface and Microanalysis Science
- Thermophysics<sup>2</sup>

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- Atomic Physics
- · Molecular Physics
- · Radiometric Physics
- Quantum Metrology
- Ionizing Radiation
- Time and Frequency<sup>1</sup>
- Quantum Physics1

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- · Automated Production Technology
- Intelligent Systems
- Manufacturing Systems Integration
- · Fabrication Technology

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- Microelectronics
- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields<sup>1</sup>
- Electromagnetic Technology<sup>1</sup>
- Optoelectronics<sup>1</sup>

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- · Building Materials
- Building Environment
- · Fire Safety
- Fire Science

### **Computer Systems Laboratory**

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- Information Systems Engineering
- · Systems and Software Technology
- Computer Security
- Systems and Network Architecture
- Advanced Systems

# **Computing and Applied Mathematics Laboratory**

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- Statistical Engineering<sup>2</sup>
- Scientific Computing Environments<sup>2</sup>
- Computer Services
- Computer Systems and Communications<sup>2</sup>
- · Information Systems

<sup>&</sup>lt;sup>1</sup>At Boulder, CO 80303.

<sup>&</sup>lt;sup>2</sup>Some elements at Boulder, CO 80303.

# Journal of Research of the National Institute of Standards and Technology

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The Journal of Research of the National Institute of Standards and Technology features advances in measurement methodology and analyses consistent with the NIST responsibility as the nation's measurement science laboratory. It includes reports on instrumentation for making accurate and precise measurements in fields of physical science and engineering, as well as the mathematical models of phenomena which enable the predictive determination of information in regions where measurements may be absent. Papers on critical data, calibration techniques, quality assurance programs, and well-characterized reference materials reflect NIST programs in these areas. Special issues of the Journal are devoted to invited papers in a particular field of measurement science. Occasional survey articles and conference reports appear on topics related to the Institute's technical and scientific programs.

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